

Preliminary data from the East constructed wetland in the J03P02 drainage area

This graph displays monitoring data collected from a City of Laguna Niguel wetland constructed to reduce levels of fecal bacteria from a residential neighborhood. The City of Laguna Niguel constructed this wetland in response to Regional Board Cleanup and Abatement Order No. 99-211. Based on the preliminary success of this system, the City sought and received Proposition 13 grant funds to complete a network of three constructed wetlands that would treat 100% of dry-weather urban runoff in the J03P02 drainage area.

After the second month of data, the average reduction in fecal coliform levels is 98%. Similar results were achieved for E.coli and Enterococcus. Based on these results, the expectation is that, upon its completion later this year, the wetland network will be able to effectively treat bacteria in the urban runoff from the J03P02 watershed during dry-weather and low-flow conditions.

